

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐  
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>			5. MINERAL LEASE NO: STUO-01530-AST	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			8. UNIT or CA AGREEMENT NAME: UNIT #891008900A	
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE L.P.			9. WELL NAME and NUMBER: NBU 922-31P-1	
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078			10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1007'FSL, 107'FEL AT PROPOSED PRODUCING ZONE:			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 31 9S 22E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 22.2 MILES SOUTHEAST OF OURAY, UTAH			12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 107'	16. NUMBER OF ACRES IN LEASE: 120	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40.00		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) REFER TO TOPO C	19. PROPOSED DEPTH: 9,210	20. BOND DESCRIPTION: RLB0005237		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5066'UNGRADED GL	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION:		

24. PROPOSED CASING AND CEMENTING PROGRAM							
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8	H-40	32.3#	2,170	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	I-80	11.6#	9,210	1890 SX 50/50 POZ	1.31 YIELD	14.3 PPG

25. ATTACHMENTS	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST  
SIGNATURE [Signature] DATE 8/25/2006

(This space for State use only)

API NUMBER ASSIGNED: 43047-385720

Approved by the  
Utah Division of  
Oil, Gas and Mining

APPROVAL:

[Signature]  
(See Instructions on Reverse Side)

RECEIVED

AUG 31 2006

DIV. OF OIL, GAS & MINING

R  
21  
E

R  
22  
E

T9S, R22E, S.L.B.&M.

S89°48'53"W - 2234.34' (Meas.) S89°49'17"W - 2629.89' (Meas.)

1977 Brass Cap,  
0.5' High, Pile of  
Stones, Steel  
Post

Lot 1

1977 Brass Cap,  
0.5' High, Pile of  
Stones

1977 Brass Cap,  
0.4' High, Pile of  
Stones

N00°05'56"E - 2569.88' (Meas.)

Lot 2

1977 Brass Cap,  
2.0' High, Pile of  
Stones, Steel Post

31

1977 Brass Cap,  
1.0' High, Large  
Pile of Stones

N00°03'08"W - 2649.36' (Meas.)

Lot 3

N00°03'49"E - 2697.16' (Meas.)

S00°01'20"W  
2644.45' (Meas.)

Lot 4

1977 Brass Cap,  
Set Stone, Pile  
of Stones

NBU #922-31P-1  
Elev. Ungraded Ground = 5066'

52.80' (G.L.O.)

True Corner

W.C.  
1977 Brass Cap,  
Flush w/Top of  
Pile of Stones

107'

1007'

T9S  
T10S

S89°52'11"E - 2293.55' (Meas.)

N89°51'50"W  
2579.48' (Meas.)

1977 Brass Cap,  
2.0' High, Pile  
of Stones

# LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 39°59'16.85" (39.988014)  
LONGITUDE = 109°28'25.19" (109.473664)  
(NAD 27)  
LATITUDE = 39°59'16.98" (39.988050)  
LONGITUDE = 109°28'22.72" (109.472978)

## Kerr McGee Oil & Gas Onshore LP

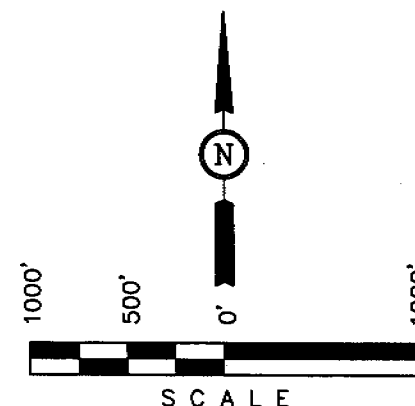
Well location, NBU #922-31P-1, located as shown in the SE 1/4 SE 1/4 of Section 31, T9S, R22E, S.L.B.&M., Uintah County, Utah.

## BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

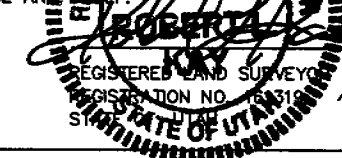
## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



## CERTIFICATION

THIS IS TO CERTIFY THAT THE SURVEY WAS CONDUCTED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-22-06	DATE DRAWN: 05-30-06
PARTY D.K. L.K. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE Kerr McGee Oil & Gas Onshore LP	

**NBU 922-31P-1  
SESE SEC 31-T9S-R22E  
UINTAH COUNTY, UTAH  
STUO-01530-A-ST**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1298'
Top of Birds Nest Water	1615'
Mahogany	2255'
Wasatch	4515'
Mesaverde	7079'
MVU2	7953'
MVL1	8557'
TD	9210'

**2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	1298'
	Top of Birds Nest Water	1615'
	Mahogany	2255'
Gas	Wasatch	4515'
Gas	Mesaverde	7079'
Gas	MVU2	7953'
Gas	MVL1	8557'
Water	N/A	
Other Minerals	N/A	

**3. Pressure Control Equipment (Schematic Attached)**

*Please refer to the attached Drilling Program.*

**4. Proposed Casing & Cementing Program:**

*Please refer to the attached Drilling Program.*

**5. Drilling Fluids Program:**

*Please refer to the attached Drilling Program.*

**6. Evaluation Program:**

*Please refer to the attached Drilling Program.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9210' TD, approximately equals 5710 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3684 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please refer to the attached Drilling Program.*

10. **Other Information:**

*Please refer to the attached Drilling Program.*



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE August 25, 2006  
WELL NAME NBU 922-31P-1 TD 9,210' MD/TVD  
FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,065' GL KB 5,080'  
SURFACE LOCATION NE/SE/SE SEC. 31, T9S, R22E 1007FSL, 107FEL BHL Straight Hole  
Latitude: 39.988014 Longitude: 109.473664  
OBJECTIVE ZONE(S) Wasatch/Mesaverde  
ADDITIONAL INFO Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.

GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 4,515'					
	Green River @	1,298'			
	Top of Birds Nest Water @	1615'			
	Preset fl GL @				
	2,170' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
	Mahogany @	2,255'			
Mud logging program TBD					
Open hole logging program fl TD - surf csg					
	Wasatch @	4,515'	7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.7 ppg
	Mverde @	7,079'			
	MVU2 @	7,953'			
	MVL1 @	8,557'			
					Max anticipated Mud required 11.7 ppg
	TD @	9,210'			

# **KERR-McGEE OIL & GAS ONSHORE LP** **DRILLING PROGRAM**

## **CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2170	32.30	H-40	STC	2270	1370	254000
						0.83*****	1.35	4.14
PRODUCTION	4-1/2"	0 to 9210	11.80	I-80	LTC	7780	6350	201000
						2.17	1.13	2.16

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)  
2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)  
(Burst Assumptions: TD = 11.7 ppg) .22 psi/ft = gradient for partially evac wellbore  
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
MASP 3577 psi

\*\*\*\*\* Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

## **CEMENT PROGRAM**

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2			<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>				
	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,010'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	440	60%	11.00	3.38
	TAIL	5,200'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1450	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## **FLOAT EQUIPMENT & CENTRALIZERS**

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

## **ADDITIONAL INFORMATION**

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 6,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

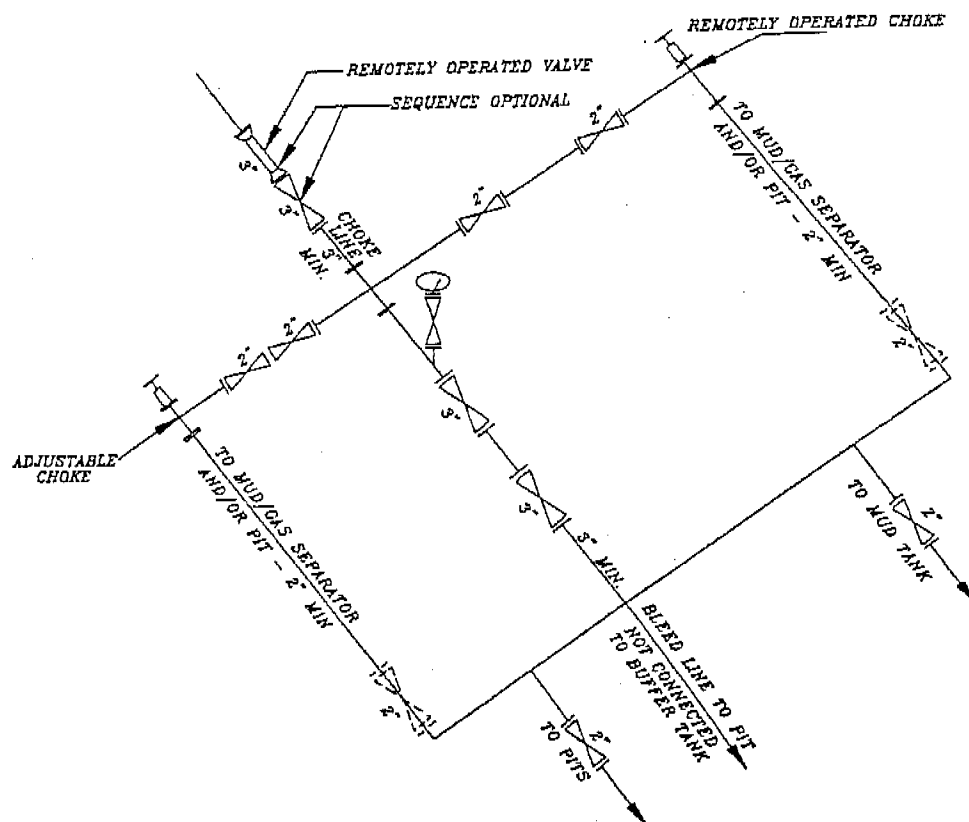
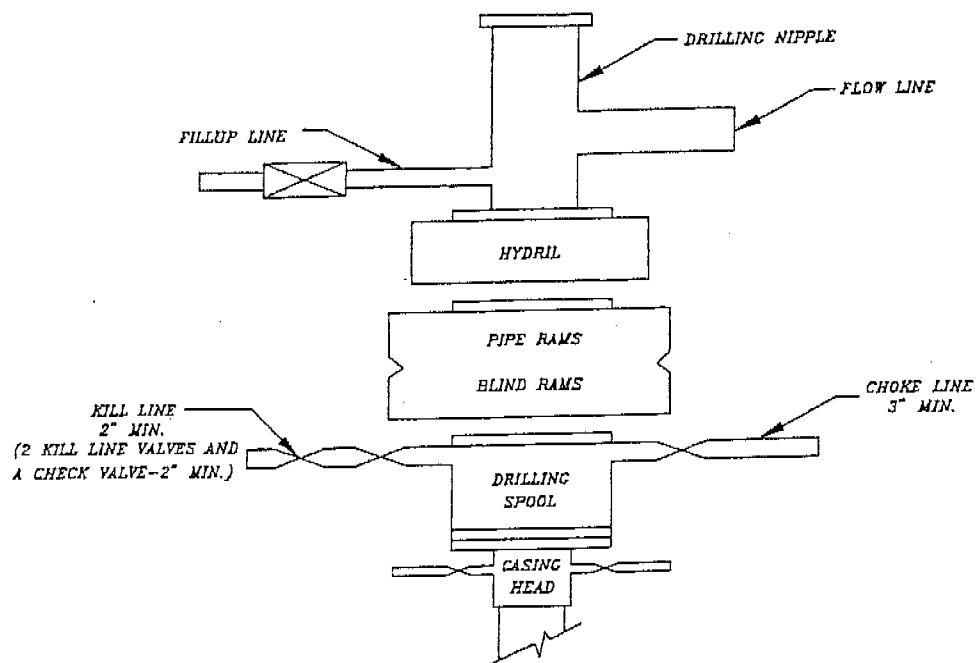
DATE: \_\_\_\_\_

DRILLING SUPERINTENDENT:

Randy Bayne

DATE: \_\_\_\_\_

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU 922-31P-1  
SESE SEC 31-T9S-R22E  
Uintah County, UT  
STUO-01530-A-ST**

**ONSHORE ORDER NO. 1**

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

**1. Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

**2. Planned Access Roads:**

Approximately 230' +/- of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

*Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.*

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities:**

*The following guidelines will apply if the well is productive.*

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain

fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximatley 799' +/- of 4" pipeline is proposed from the well location to the tie-in point. Refer to Topo Map D.

**5. Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

**6. Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

**7. Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will

be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

**10. Plans for Reclamation of the Surface:**

*Producing Location:*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

*Dry Hole/Abandoned Location:*

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

**11. Surface Ownership:**

SITLA  
675 East 500 South, Suite 500  
Salt Lake City, UT 84102

**12. Other Information:**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when report becomes available.

**13. Lessee's or Operators's Representative & Certification:**

Sheila Upchego  
Regulatory Analyst  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East.  
Vernal, UT 84078  
(435) 781-7024

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435)781-7018

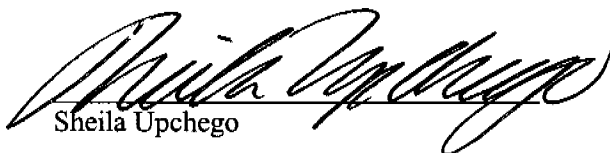
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.



Sheila Upchego

8/25/2006

Date

**Kerr-McGee Oil & Gas Onshore LP**  
**NBU #922-31P-1**  
**SECTION 31, T9S, R22E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY DIRECTION APPROXIMATELY 230' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 53.2 MILES.

# Kerr-McGee Oil & Gas Onshore LP

**NBU #922-31P-1**

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 31, T9S, R22E, S.L.B.&M.

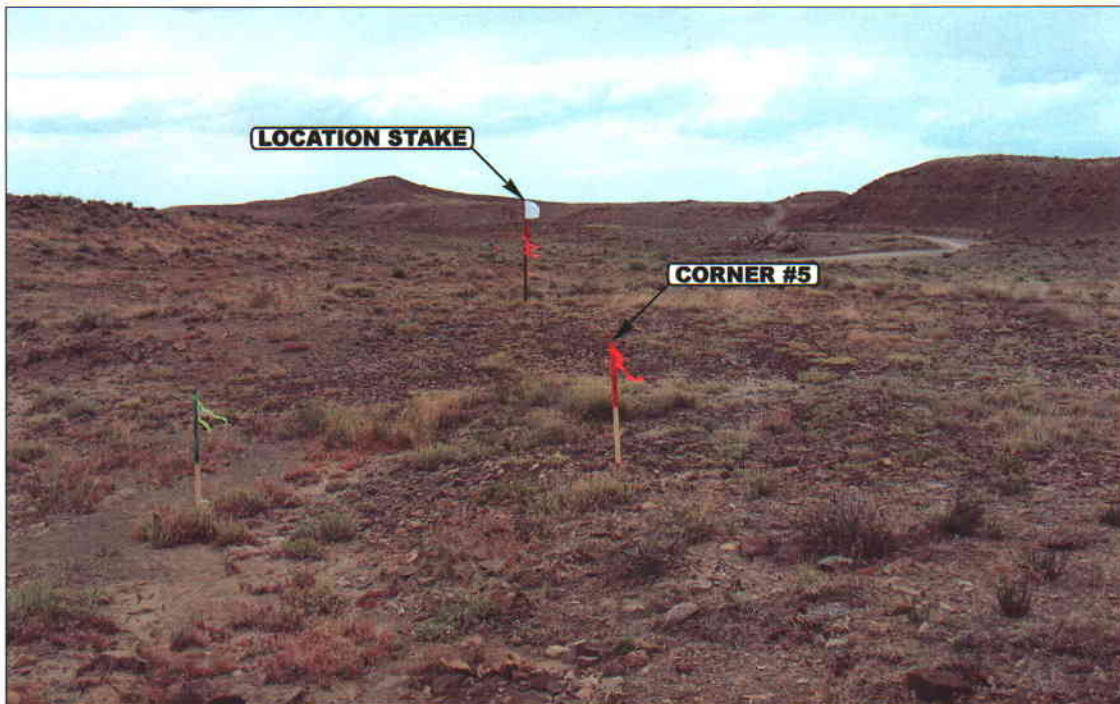


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**LOCATION PHOTOS**

**05** **23** **06**  
MONTH DAY YEAR

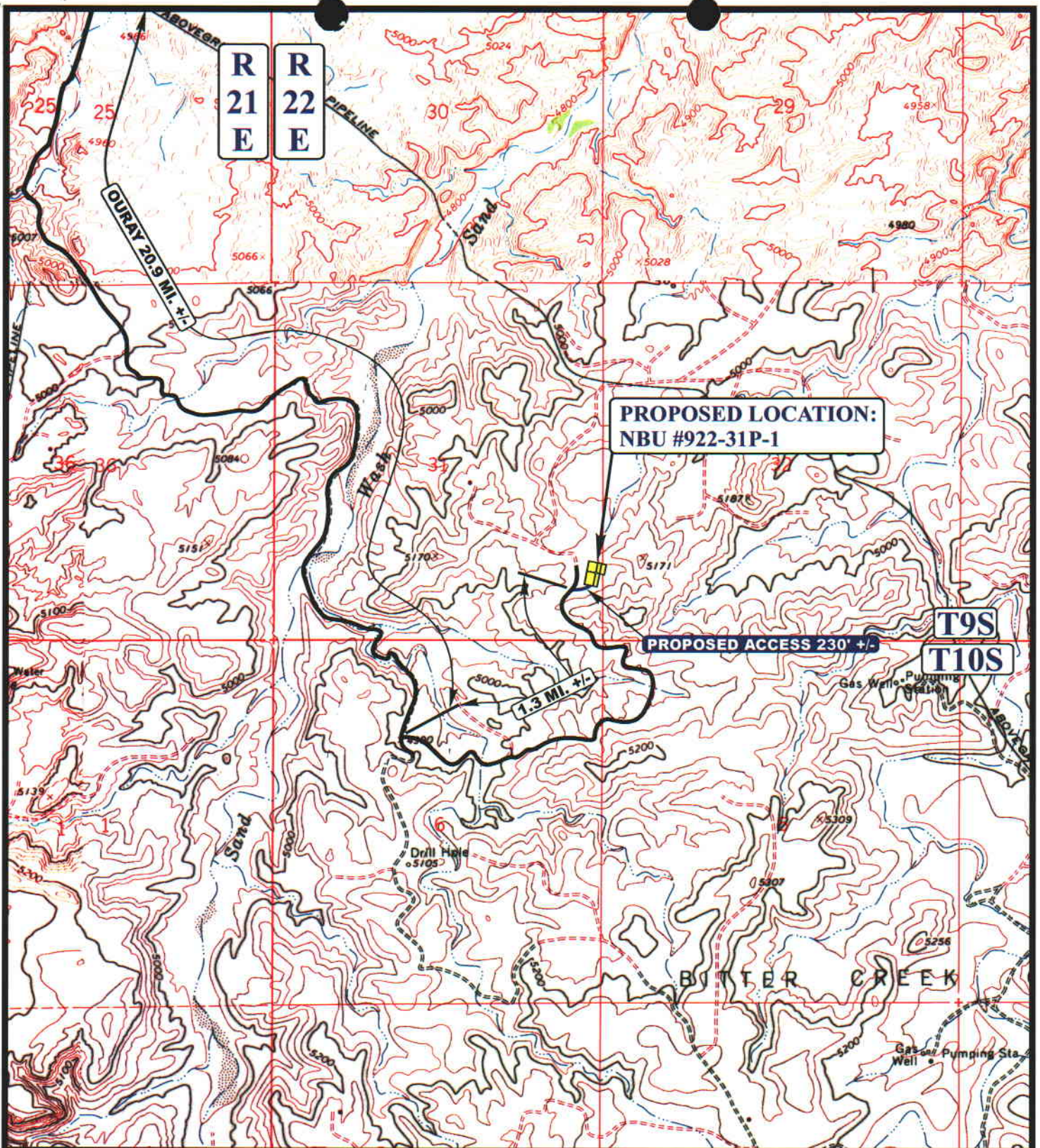
**PHOTO**

TAKEN BY: L.K.

DRAWN BY: B.C.

REVISED: 00-00-00





# LEGEND:

EXISTING ROAD  
 PROPOSED ACCESS ROAD



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



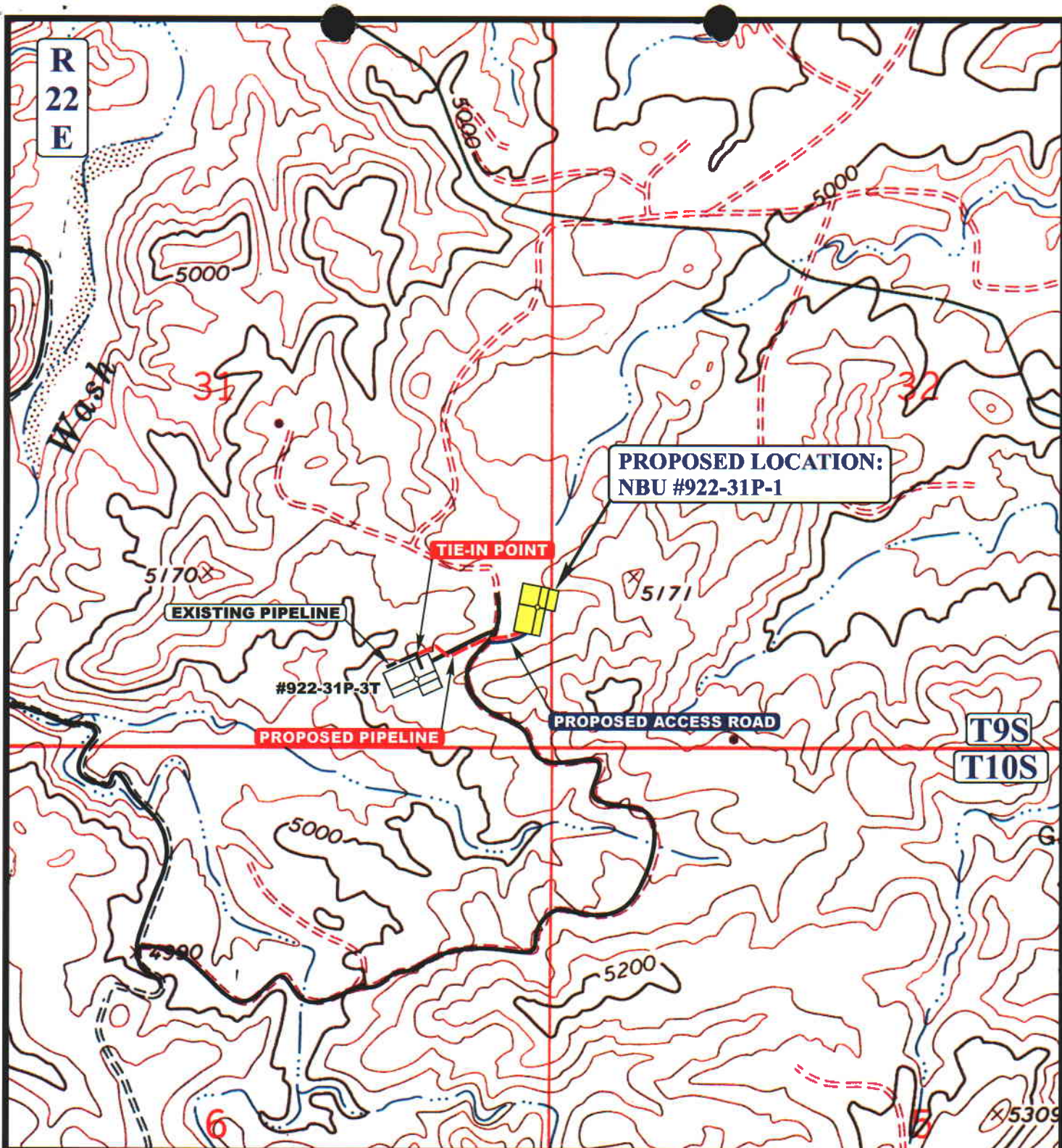
## Kerr-McGee Oil & Gas Onshore LP

**NBU #922-31P-1**  
**SECTION 31, T9S, R22E, S.L.B.&M.**  
**1007' FSL 107' FEL**

**TOPOGRAPHIC** **05** **23** **06**  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00

**B**  
**TOPO**





**APPROXIMATE TOTAL PIPELINE DISTANCE = 799' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- - - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)



**Kerr-McGee Oil & Gas Onshore LP**

**NBU #922-31P-1**

**SECTION 31, T9S, R22E, S.L.B.&M.**

**1007' FSL 107' FEL**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**05 23 06**  
MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: B.C.

REVISED: 00-00-00

**D  
TOPO**

# Kerr-McGee Oil & Gas Onshore LP

**NBU #922-31P-1**

**PIPELINE ALIGNMENT**

**LOCATED IN UTAH COUNTY, UTAH**

**SECTION 31, T9S, R22E, S.L.B.&M.**



**PHOTO: VIEW OF TIE-IN POINT**

**CAMERA ANGLE: NORTHEASTERLY**



**PHOTO: VIEW OF PIPELINE ALIGNMENT**

**CAMERA ANGLE: NORTHEASTERLY**



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**PIPELINE PHOTOS**

**05 23 06**  
MONTH DAY YEAR

**PHOTO**

TAKEN BY: L.K.

DRAWN BY: B.C.

REVISED: 00-00-00

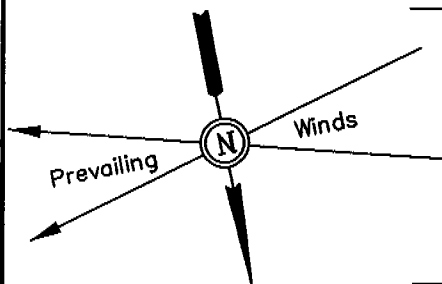
# Kerr-McGee Oil & Gas Onshore LP

## LOCATION LAYOUT FOR

NBU #922-31P-1

SECTION 31, T9S, R22E, S.L.B.&M.

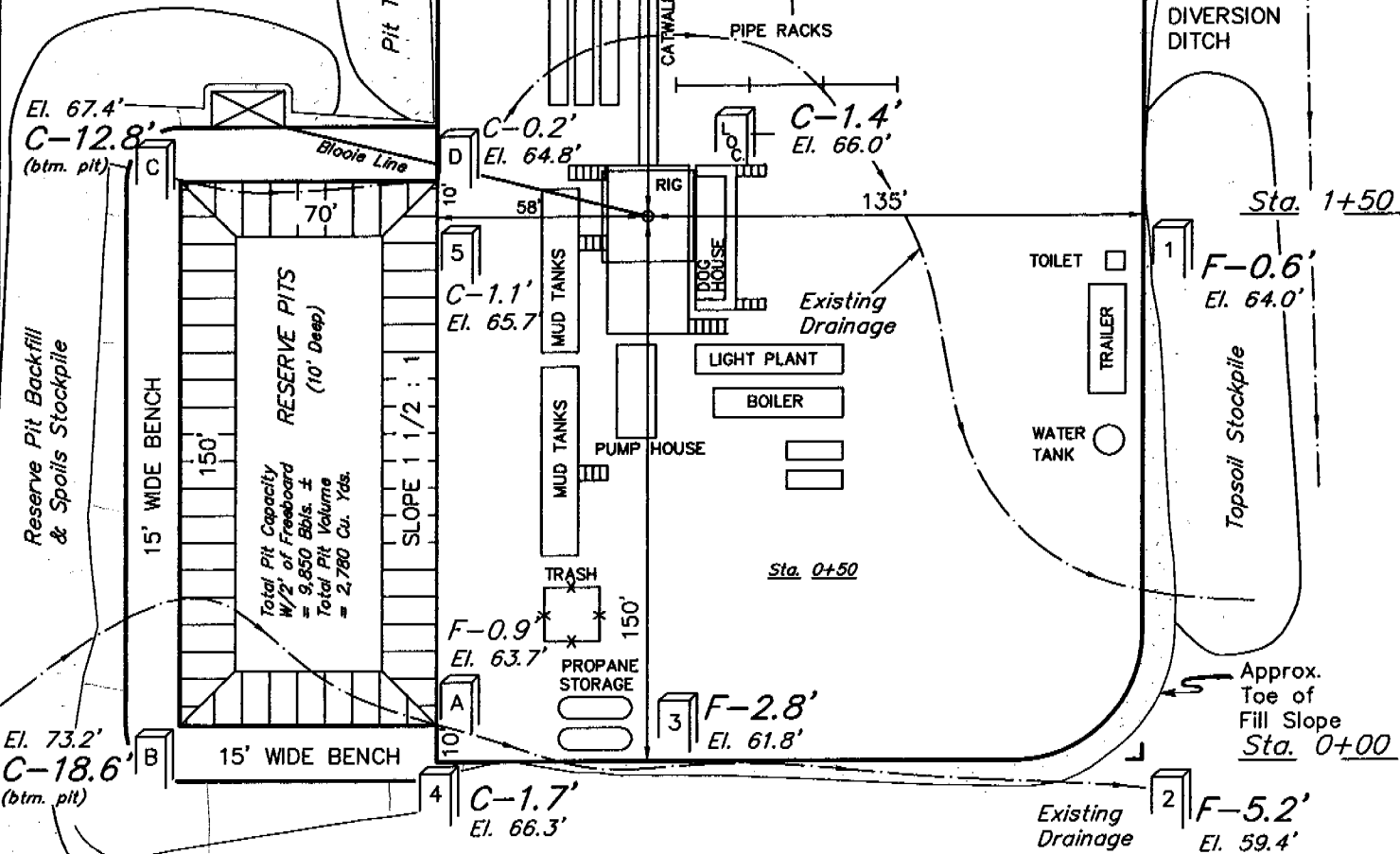
1007' FSL 107' FEL



SCALE: 1" = 50'  
DATE: 05-30-06  
Drawn By: C.H.

### NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



### NOTES:

Elev. Ungraded Ground At Loc. Stake = 5066.0'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5064.6'

CONSTRUCT DIVERSION DITCH

FIGURE #1

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

## TYPICAL CROSS SECTIONS FOR

NBU #922-31P-1

SECTION 31, T9S, R22E, S.L.B.&M.

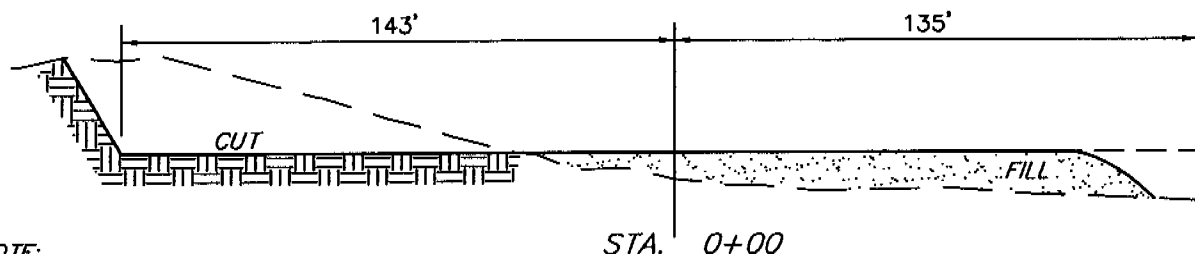
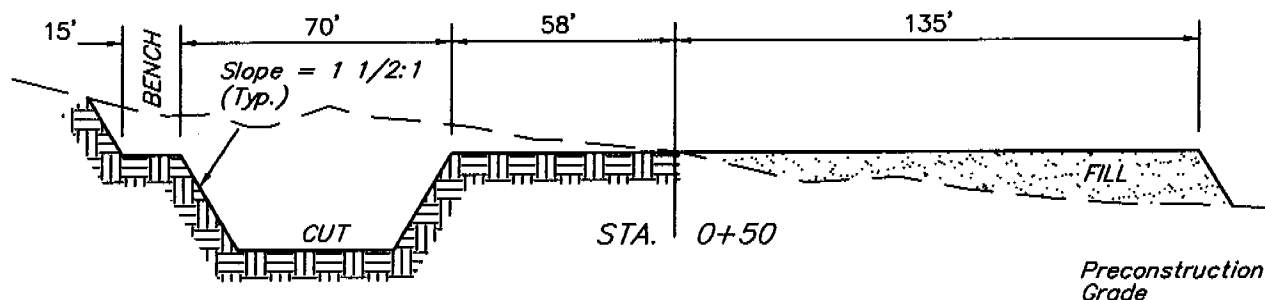
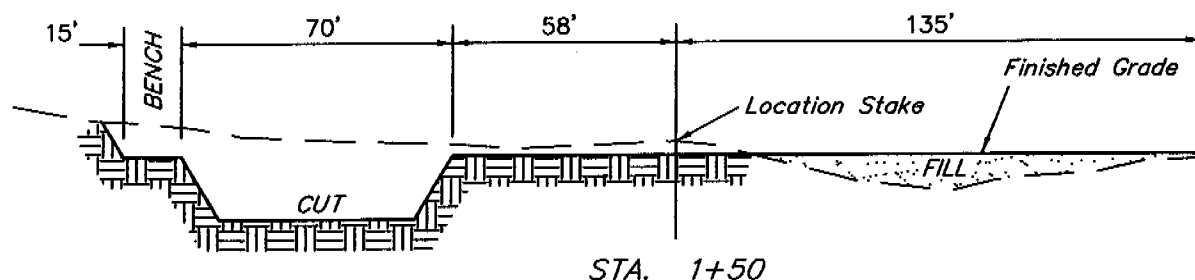
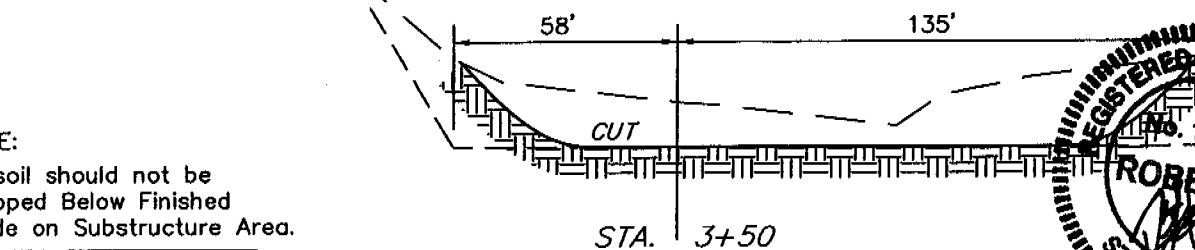
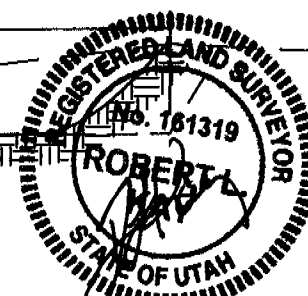
1007' FSL 107' FEL

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 05-30-06  
Drawn By: C.H.

### NOTE:

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.



\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

### APPROXIMATE YARDAGES

CUT  
(6") Topsoil Stripping = 1,740 Cu. Yds.  
Remaining Location = 8,210 Cu. Yds.  
  
TOTAL CUT = 9,950 CU.YDS.  
FILL = 3,920 CU.YDS.

EXCESS MATERIAL = 6,030 Cu. Yds.  
Topsoil & Pit Backfill  
(1/2 Pit Vol.) = 3,130 Cu. Yds.  
EXCESS UNBALANCE = 2,900 Cu. Yds.  
(After Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/31/2006

API NO. ASSIGNED: 43-047-38560

WELL NAME: NBU 922-31P-1

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

SESE 31 090S 220E

SURFACE: 1007 FSL 0107 FEL

BOTTOM: 1007 FSL 0107 FEL

COUNTY: Uintah

LATITUDE: 39.98805 LONGITUDE: -109.4729

UTM SURF EASTINGS: 630385 NORTHINGS: 4427338

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	11/2/06
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: STUO-01530-AST

SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[] Ind[] Sta[] Fee[]  
(No. RLB0005236 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-8496 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.  
Unit: NATURAL BUTTES  
\_\_\_ R649-3-2. General  
Siting: 460' From Qtr/Qtr & 920' Between Wells  
\_\_\_ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 173-14  
Eff Date: 12-2-99  
Siting: 460' R uburg Surface 1007S  
\_\_\_ R649-3-11. Directional Drill

COMMENTS:

N Leads Spent (10-03-06)

STIPULATIONS:

1- STATEMENT OF BASIS  
2- OIL SHALE  
3- Surface Csg Cont Steps



# Application for Permit to Drill

## Statement of Basis

10/11/2006

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
84	43-047-38560-00-00		GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, LP		Surface Owner-APD		
Well Name	NBU 922-31P-1		Unit	NATURAL BUTTES	
Field	NATURAL BUTTES		Type of Work		
Location	SESE 31 9S 22E S 0 F L 0 F L GPS Coord (UTM) 630385E 4427338N				

### Geologic Statement of Basis

Kerr McGee proposes to set 2,170' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,000'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 31. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed surface casing and cement should adequately protect ground water in this area.

Brad Hill  
APD Evaluator

10/11/2006  
Date / Time

### Surface Statement of Basis

Both the surface and minerals are SITLA. The general area is the Sand Wash Drainage of Uintah, County. Sand Wash is approximately 36 air miles south of Vernal, Utah and approximately 22 miles southeast of Ouray, Utah. Access is by State of Utah Highway, Uintah County and oilfield development roads. Approximately 360 feet of new road will be constructed.

Topography is characterized by broad open flats dissected by numerous sub-drainages, which often become steep with ridges and draws with exposed sandstone layers. No perennial streams occur in drainage. Individual draws or washes are ephemeral with spring runoff or flows from sometimes-intense summer rainstorms. White River is to the northeast about 1 1/2 miles. No springs exist in the area. An occasional constructed pond occurs furnishing water for antelope or livestock.

The location is on a small outwash plain below higher hills on the north, east and south with bedrock sandstone outcrops. Terrain on the location is broken being intersected with several small draws.

Ben Williams of the UDWR was invited to and attended the presite. He stated the general area is classified as critical yearlong antelope range, however he did not recommend any stipulations, as water is the limiting factor affecting the population not forage. Also, no other wildlife is expected to be affected. He provided Jim Davis of SITLA and Carrol Estes of Kerr-Mcgee a copy of his wildlife evaluation and a seed mix recommended by DWR to be used in reseeding the location.

Floyd Bartlett  
Onsite Evaluator

10/3/2006  
Date / Time

### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** KERR-MCGEE OIL & GAS ONSHORE, LP  
**Well Name** NBU 922-31P-1  
**API Number** 43-047-38560-0 **APD No** 84 **Field/Unit** NATURAL BUTTES  
**Location:** 1/4,1/4 SESE **Sec** 31 **Tw** 9S **Rng** 22E 0 FL 0 FL  
**GPS Coord (UTM)** 630378 4427340 **Surface Owner**

### **Participants**

Floyd Bartlett (DOGM), Carol Estes, B J Braithwaite, Tony Kazeck and Clay Einerson (Kerr McGee), David Kay (Uintah Engineering & Land Survey), Jim Davis (SITLA), Ben Williams (UDWR)

### **Regional/Local Setting & Topography**

General area is the Sand Wash Drainage of Uintah, County. Sand Wash is approximately 36 air miles south of Vernal, Utah and approximately 24 miles southeast of Ouray, Utah. Access is by State of Utah Highway, Uintah County and oilfield development roads.

Topography is characterized by broad open flats dissected by numerous sub-drainages, which often become steep with ridges and draws with exposed sandstone layers. No perennial streams occur in drainage. Individual draws or washes are ephemeral with spring runoff or flows from sometimes-intense summer rainstorms. White River is to the northeast about 1 1/2 miles. No springs exist in the area. An occasional constructed pond occurs furnishing water for antelope or livestock.

The location is on a small outwash plain below higher hills on the north, east and south with bedrock sandstone outcrops. Terrain on the location is broken being intersected with several small draws.

### **Surface Use Plan**

#### **Current Surface Use**

Grazing  
Wildlife Habitat  
Recreational

#### **New Road**

Miles	Well Pad	Src Const Material	Surface Formation
0.05	Width 263 Length 350	Onsite	UNTA

**Ancillary Facilities** N

### **Waste Management Plan Adequate?** Y

### **Environmental Parameters**

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

Shadscale, budsage, halogeton, cheatgrass, annual mustard, big sage, rabbitbrush, horsebrush, greasewood, prickly pear.

Antelope, small mammals and birds.

#### **Soil Type and Characteristics**

Rocky sandy loam with surface rock outcrops.

Erosion Issues N

Sedimentation Issues Y

Site Stability Issues N

Drainage Diversion Required Y

After reserve pit is closed a diversion ditch needs to be constructed on the east side of the location diverting the overland flow to the north.

Berm Required? N

Erosion Sedimentation Control Required? Y

Paleo Survey Run? Y    Paleo Potential Observed? N    Cultural Survey Run? Y    Cultural Resources?

**Reserve Pit**

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
Final Score		25    1    Sensitivity Level

**Characteristics / Requirements**

150' x 70' x 10' deep located on the north east side of the location in an area of cut. The operator has a standard practice of lining all pits with a 20 mil. liner and 2 layers of felt underlayment.

Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? Y

**Other Observations / Comments**

Ben Williams of the UDWR was invited to and attended the presite. He stated the general area is classified as critical yearlong antelope range, however he did not recommend any stipulations, as water is the limiting factor affecting the population not forage. Also, no other wildlife is expected to be affected. He provided Jim Davis of SITLA and Carrol Estes of Kerr-Mcgee a copy of his wildlife evaluation and a seed mix recommended by DWR to be used in reseeding the location.

Floyd Bartlett  
Evaluator

10/3/2006  
Date / Time

Casing Schematic

BHP  
 $(0.052 \times 9210 \times 11.7) = 5603 \text{ psi}$   
 anticipate 3684 psi

gas  
 $(1.12) 9210 = 1105$   
 $5603 - 1105 = 4498 \text{ psi}$   
 MASP  
 9-5/8" MW 8.4  
 Frac 19.3

BOPE - 5M ✓

Burst 2270  
 $70\% = 1589 \text{ psi}$

Max P@csq shoe  
 $9210 - 2170 = 7040 (1.22) = 1549$   
 $5603 - 1549 = 4054 \text{ psi}$

Test to 1589 psi ✓  
 (± 700 psi surf. press.)

⇒ Slip surf. cnt

✓ Adequate DCD 11/2/06

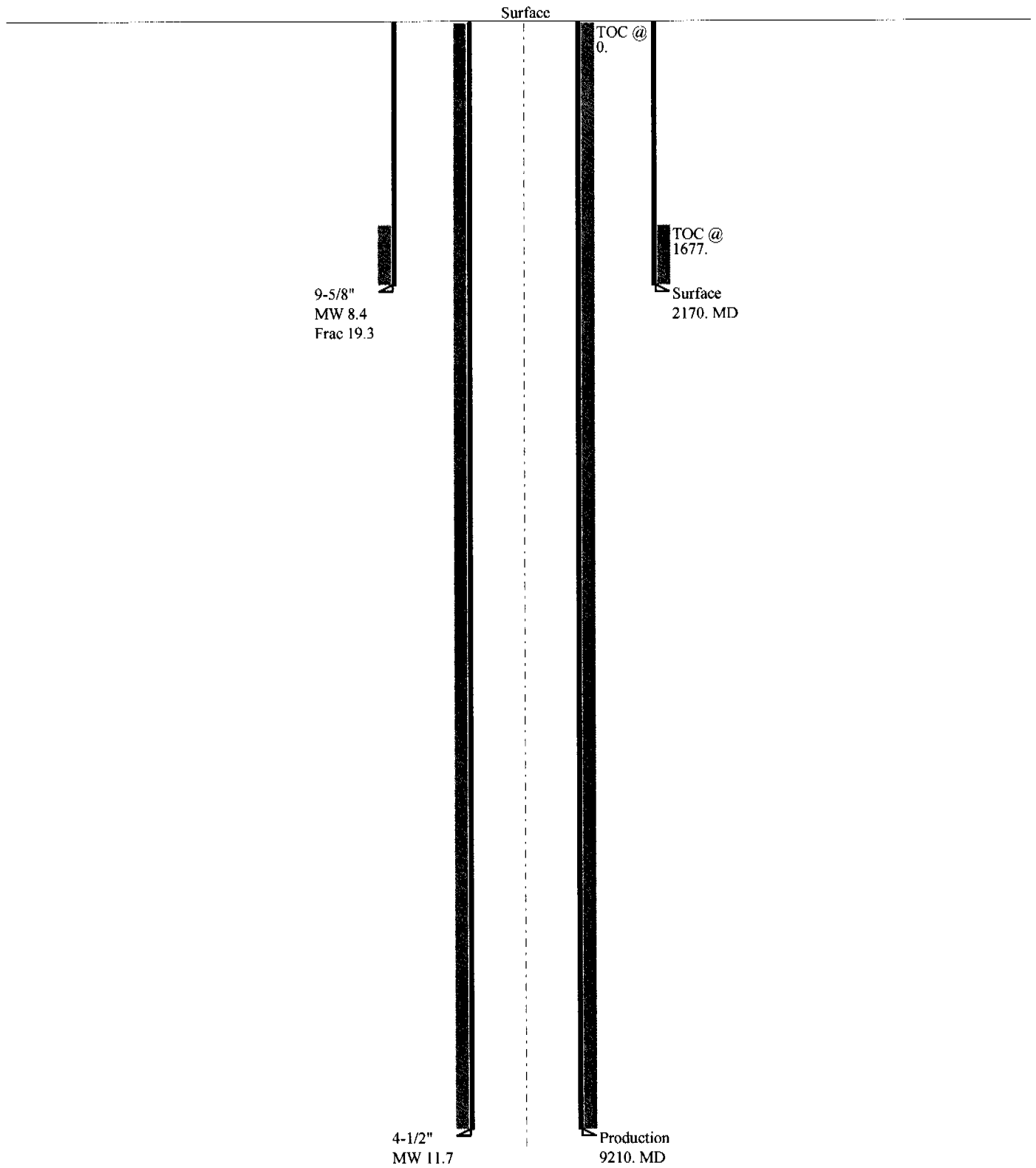
4-1/2"  
 MW 11.7

Production  
 9210. MD

Surface  
 TOC @ 0.  
 1298' 1172 TOC w/0% w/o  
 Green River  
 1616' Birds Nest Water  
 TOC @ 1677.  
 TOC tail 2077'  
 Surface  
 2255' 2170. MD Mahogany  
 3000' ± BMSW  
 3158' TOC tail  
 4515' Wasatch  
 7079 Mesaverde  
 7953' MVU2  
 8557 MVLI

Winta  
 if circulate TOC@ surface w/5% w/o  
 will base on caliper plus 10% for tail  
 0.16.

2006-10 Kerr McGee NBU 2-31P-1  
Casing Schematic



Well name:

**2006-10 Kerr McGee NBU 922-31P-1**Operator: **Kerr McGee Oil & Gas Onshore L.P.**String type: **Surface**

Project ID:

43-047-38560

Location: **Uintah County****Design parameters:****Collapse**Mud weight: 8.400 ppg  
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 105 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 1,677 ft

**Burst**Max anticipated surface pressure: 1,910 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 2,170 psi

No backup mud specified.

**Tension:**8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Tension is based on buoyed weight.

Neutral point: 1,902 ft

**Non-directional string.****Re subsequent strings:**Next setting depth: 9,210 ft  
Next mud weight: 11.700 ppg  
Next setting BHP: 5,598 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 2,170 ft  
Injection pressure: 2,170 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2170	9.625	32.30	H-40	ST&C	2170	2170	8.876	17945
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	947	1370	1.447	2170	2270	1.05	61.4	254	4.13 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & MineralsPhone: 801-538-5357  
FAX: 801-359-3940Date: October 27, 2006  
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 2170 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

*copy from location*

Well name:

**2006-10 Kerr McGee NBU 922-31P-1**Operator: **Kerr McGee Oil & Gas Onshore L.P.**String type: **Production**

Project ID:

**43-047-38560**Location: **Uintah County****Design parameters:****Collapse**Mud weight: 11.700 ppg  
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

**Environment:**H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 204 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft**Burst:**

Design factor 1.00

Cement top: Surface

**Burst**Max anticipated surface  
pressure: 3,572 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 5,598 psi

No backup mud specified.

**Tension:**8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)**Non-directional string.**

Tension is based on buoyed weight.

Neutral point: 7,599 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9210	4.5	11.60	I-80	LT&C	9210	9210	3.875	121572
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5598	6360	1.136	5598	7780	1.39	88.2	212	2.40 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & MineralsPhone: 801-538-5357  
FAX: 801-359-3940Date: October 27, 2006  
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 9210 ft, a mud weight of 11.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

September 19, 2006

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2006 Plan of Development Natural Buttes Unit Uintah  
County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Wasatch/MesaVerde)

43-047-38560	NBU 922-31P-1 Sec 31 T09S R22E 1007 FSL 0107 FEL	
43-047-38561	NBU 922-31A-4T Sec 31 T09S R22E 0852 FNL 0301 FEL	
43-047-38567	NBU 922-32N-1T Sec 32 T09S R22E 1200 FSL 2329 FWL	
43-047-38569	NBU 922-32H-3T Sec 32 T09S R22E 2302 FNL 0891 FEL	
43-047-38570	NBU 1022-7H-4 Sec 07 T10S R22E 2488 FNL 0227 FEL	
43-047-38571	NBU 1022-7B-3T Sec 07 T10S R22E 0967 FNL 2042 FEL	
43-047-38562	NBU 1022-10C-1 Sec 10 T10S R22E 0104 FNL 2193 FWL	

The following wells are twins of existing Wasatch wells

43-047-38564	NBU 922-31P-3T Sec 31 T09S R22E 0491 FSL 0971 FEL	
43-047-38565	NBU 922-31K-2T Sec 31 T09S R22E 2589 FSL 1435 FWL	
43-047-38566	NBU 922-31J-1T Sec 31 T09S R22E 2383 FSL 1826 FEL	
43-047-38568	NBU 922-32L-4T Sec 32 T09S R22E 1954 FSL 1286 FWL	

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

**From:** Ed Bonner  
**To:** Whitney, Diana  
**Date:** 10/3/2006 1:43:10 PM  
**Subject:** Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

**Dominion E&P, Inc**

Kings Canyon 2-32E (API 43 047 38261)  
Kings Canyon 9-32E (API 43 047 38262)  
Kings Canyon 11-32E (API 43 047 38378)  
LCU 3-36F (API 43 047 37986)  
LCU 6-36F (API 43 047 37999)  
LCU 8-36F (API 43 047 37988)  
LCU 10-36F (API 43 047 37987)  
LCU 13-36F (API 43 047 37989)  
LCU 15-36F (API 43 047 38260) 1 significant site which must be avoided  
LCU 11-36F (API 43 047 38026)

**Fellows Energy, LLC**

Gordon Creek State 4-7-14-8 (API 43 007 31230)  
Gordon Creek State 1-7-14-8 (API 43 007 31231)  
Gordon Creek State 3-7-14-8 (API 43 007 31232)  
Gordon Creek State 3-20-14-8 (API 43 007 31233)  
Gordon Creek State 2-29-14-8 (API 43 007 31234) 1 significant site in access/pipeline corridor which must be avoided  
Gordon Creek State 1-30-14-8 (API 43 007 31235) 1 significant site in access/pipeline corridor which must be avoided

**Gasco Production Company**

State 4-32A (API 43 047 38533)

**Kerr McGee Oil & Gas Onshore LP**

NBU 922-32L-4T (API 43 047 38568)  
NBU 922-31A-4T (API 43 047 38561)  
NBU 922-31J-1T (API 43 047 38566)  
NBU 922-31K-2T (API 43 047 38565)  
NBU 922-31P-3T (API 43 047 38564)  
NBU 922-31P-1 (API 43 047 38560)  
NBU 1022-7B-3T (API 43 047 38571)  
NBU 1022-10C-1 (API 43 047 38562)

If you have any questions regarding this matter please give me a call.

**CC:** Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil



## State of Utah

### Department of Natural Resources

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas & Mining

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

November 2, 2006

Kerr McGee Oil & Gas Onshore LP  
1368 S 1200 E  
Vernal, UT 84078

Re: Natural Buttes Unit 922-31P-1 Well, 1007' FSL, 107' FEL, SE SE, Sec. 31,  
T. 9 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38560.

Sincerely,

A handwritten signature in cursive script, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
SITLA  
Bureau of Land Management, Vernal District Office

Operator: Kerr McGee Oil & Gas Onshore LP  
Well Name & Number Natural Buttes Unit 922-31P-1  
API Number: 43-047-38560  
Lease: STUO-01530-AST

Location: SE SE Sec. 31 T. 9 South R. 22 East

### Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2  
43-047-38560  
November 2, 2006

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
7. Surface casing shall be cemented to the surface.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: KERR MCGEE OIL & GAS ONSHORE LP  
Address: 1368 SOUTH 1200 EAST  
city VERNAL  
state UT zip 84078

Operator Account Number: N 2995Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738560	NBU 922-31P-1		SESE	31	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	3/31/2007			<u>4/5/07</u>	
Comments: <u>MIRU PETE MARTIN BUCKET RIG. WSMVD</u> <u>SPUD WELL LOCATION ON 03/31/2007 AT 0930 HRS</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

To EARLENE RUSSELL From SHEILA UPCHEGO  
Co./Dept LAND OGM Co. KMG  
Phone (801) 538-5336 Phone (435) 781-7024  
Fax (801) 394-3940 Fax (435) 781-7094

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

4/5/2007

Title

Date

RECEIVED

APR 03 2007

DIV. OF OIL, GAS &amp; MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
KERR MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078  
PHONE NUMBER: (435) 781-7024

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 1007'FFSL, 107'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 31 9S 22E

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
STUO-01530-AST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
UNIT #891008900A

8. WELL NAME and NUMBER:  
NBU 922-31P-1

9. API NUMBER:  
4304738560

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: WELL SPUD
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 03/31/2007 AT 0930 HRS.

RECEIVED

APR 09 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE 4/3/2007

(This space for State use only)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

STUO-01530-AST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

UNIT #891008900A

8. WELL NAME and NUMBER:

NBU 922-31P-1

9. API NUMBER:

4304738560

10. FIELD AND POOL, OR WILDCAT:

NATURAL BUTTES

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

2. NAME OF OPERATOR:

KERR MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:

1368 SOUTH 1200 EAST

VERNAL

UT

84078

PHONE NUMBER:

(435) 781-7024

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1007'FFSL, 107'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 31 9S 22E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: SET SURFACE CSG.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU BILL MARTIN AIR RIG ON 04/03/2007. DRILLED 12 1/4" SURFACE HOLE TO 2430'. RAN 9 5/8" 48 JTS OF 32.3# H-40 AND 10 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT. TOP OUT W/1000 PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE CMT TO SURFACE. HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE 4/10/2007

(This space for State use only)

RECEIVED

APR 16 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL		OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-01530-AST
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP				6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR:		1368 SOUTH 1200 EAST VERNAL UT 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
		PHONE NUMBER: (435) 781-7024		8. WELL NAME and NUMBER: NBU 922-31P-1
4. LOCATION OF WELL				9. API NUMBER: 4304738560
FOOTAGES AT SURFACE: 1007'FFSL, 107'FEL				10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 31 9S 22E				COUNTY: UINTAH
				STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: FINAL DRILLING OPERATIONS

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

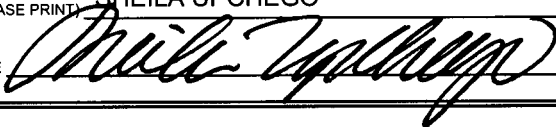
FINISHED DRILLING FROM 2430' TO 9150' ON 04/29/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/365 SX PREM LITE II @11.1 PPG 3.25 YIELD. TAILED CMT W/1226 SX 50/50 POZ @14.3 PPG 1.31 YIELD. SET SLIPS CUT OFF CSG N/D BOP CLEAN PITS.

RELEASED ENSIGN RIG 12 ON 04/30/2007 AT 1200 HRS.

RECEIVED

MAY 07 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE 	DATE 5/1/2007

(This space for State use only)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

STUO-01530-AST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

UNIT #891008900A

8. WELL NAME and NUMBER:

NBU 922-31P-1

9. API NUMBER:

4304738560

10. FIELD AND POOL, OR WILDCAT:

NATURAL BUTTES

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

KERR MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:

1368 S 1200 E

CITY

VERNAL

STATE

UT

ZIP

84078

PHONE NUMBER:

(435) 781-7024

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1007' FSL, 107' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 31 9S 22E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☒ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: \_\_\_\_\_

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 5/22/2007 AT 12:00 PM.

PLEASE REFER TO THE CHRONOLOGICAL WELL HISTORY.

RECEIVED

MAY 29 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE 5/23/2007

(This space for State use only)



Anadarko Petroleum Corporation  
1368 S. 1200 East  
Vernal, UT 84078

## CHRONOLOGICAL WELL HISTORY

### NBU 922-31P-1

SESE, SEC. 31, T9S, R22E  
UINTAH COUNTY, UT

DATE	ACTIVITY	STATUS
03/19/07	LOCATION STARTED	ENSIGN 12
03/31/07	SET CONDUCTOR	ENSING 12
04/02/07	LOCATION COMPLETE	ENSIGN 12
04/03/07	SET AIR RIG SPUD	ENSIGN 12 DRLG
04/20/07	TD: 2430' Csg. 9 5/8"@ 2384' Move to NBU 922-31P-1. RURT.	MW: 8.3 SD: 4/XX/07 DSS: 0
04/23/07	TD: 5200' Csg. 9 5/8"@ 2384' NU and test BOPE. PU BHA and DP and drill FE. Rotary spud @ 0200 hrs 4/21/07. Drill from 2430'-5200'. DA.	MW: 9.2 SD: 4/21/07 DSS: 3
04/24/07	TD: 6180' Csg. 9 5/8"@ 2384' Drill from 5200'-6180'. DA.	MW: 9.5 SD: 4/21/07 DSS: 4
04/25/07	TD: 6925' Csg. 9 5/8"@ 2384' Drill from 6180'-6293'. TFNB. Ream tight hole from 4434'-4466'. FIH. Drill to 6925'. DA.	MW: 9.6 SD: 4/21/07 DSS: 5
04/26/07	TD: 7392' Csg. 9 5/8"@ 2384' Drill from 6925'-7392'. TFNB.	MW: 10.2 SD: 4/21/07 DSS: 6
04/27/07	TD: 8335' Csg. 9 5/8"@ 2384' Finish TFNB. Drill f/ 7392'-8335'. DA @ report time.	MW: 10.5 SD: 4/21/07 DSS: 7
04/30/07	TD: 9150' Csg. 9 5/8"@ 2384' Drill from 8335'-8512'. TFNB. Drill to 9150' TD. Short trip and lay down drill string. Run Triple Combo. Run and cement 4 1/2" Production Casing @ report time.	MW: 11.6 SD: 4/21/07 DSS: 10
05/01/07	TD: 9150' Csg. 9 5/8"@ 2384' Set slips and release rig @ 1200 hrs 4/30/07. RDRT. Will move to NBU 922-31J-1T this am.	MW: 11.6 SD: 4/21/07 DSS: 11
05/11/07	<b>PU TBG</b> Days On Completion: 1 Remarks: RR TO LOCATION. MI, SPOT RIG & EQUIP. ND WH, NU BOP. PREP & TALLY TBG. PU 3-7/8" MILL & TBG, RIH W/275 JTS TO 7843'. SWI, SDFWE.	
05/14/07	<b>PREP TO FRAC</b> Days On Completion: 4	

Remarks: 7:00 AM HSM. OPEN WELL. FINISH RIH W/ TBG. TAG PBTD @ 9100'. CIR WELL. POOH W/ 2-3/8" TBG & MILL. ND BOP, NU FRAC VALVES. FILL WELL & TEST TO 7500 PSI, HELD.BLED PRES, RD QUICK TEST. RU CUTTERS, RIH PERF STAGE 1# 8807-11', 4SPF. 8934-36', 4SPF. 8966-68, 3SPF. 9030-34,

05/16/07

**FRAC**

Days On Completion: 6

Remarks: MIRU HALLIBURTON & CUTTERS WIRELINE SERVICE (CWLS). PRES TST SURF LINES TO 8500 PSI. ALL STAGES WILL USE NALCO DVE-005 SCALE INHIBITOR (3 GPT IN PAD THRU HALF OF THE 1ST RAMP OF SAND & 10 GPT IN FLUSH); PERF GUNS WILL BE 3-3/8" EXPENDABLE (23 GM CHG, 40" PENE, 0.36" HOLE, 3 OR 4 SPF-120 OR 90 DEGREE PHASING RESPECTIVELY); 30/50 OTTAWA SAND; RECYCLED SLICK WATER FROM GOAT PASTURE POND; CBPs ARE BAKER 8K 4.5".

STG 1: OW: 1175 PSI, BRK: 2755 PSI, ISIP: 2102 PSI, FG: 0.67. ER: 55 BPM @ 4530 PSI. POC: 61% (28/46). TOT SND: 34,700 LBS, TOT FL: 1099 BBL. ISIP: 2775 PSI, FG: 0.75. MP: 6380 PSI, MR: 56.3 BPM, AP: 4814 PSI, AR: 52.6 BPM. MU CWLS.

STG 2: PU CBP & PERF GUN. RIH SET CBP @ 8702', PU, PERF: 8669-72', 8590-94', 8516-18' & 8460-64'. 4, 3, 3 & 4 SPF EA RESPECTIVELY, TOT OF 46 HOLES. POOH, LD WL TLS. MU HAL.OW: 133 PSI, BRK: 2711 PSI, ISIP: 2205 PSI, FG: 0.69. ER: 58 BPM @ 4720 PSI. POC: 61% (28/46). TOT SND: 86,400 LBS, TOT FL: 2252 BBL, ISIP: 2890 PSI, FG: 0.77. MP: 5664 PSI, MR: 57.9 BPM, AP: 4814 PSI, AR: 55.9 BPM. MU CWLS.

STG 3: PU CBP & PERF GUN. RIH SET CBP @ 8401', PU, PERF: 8365-71' & 8328-32'. 4 SPF EA, TOT OF 40 HOLES. POOH, LD WL TLS. MU HAL.OW: 0 PSI, BRK: 2892 PSI, ISIP: 2650 PSI, FG: 0.75. ER: 49 BPM @ 4500 PSI. POC: 70% (28/40). TOT SND: 25,700 LBS, TOT FL: 779 BBL. ISIP: 2790 PSI, FG: 0.77. MP: 5066 PSI, MR: 51.4 BPM, AP: 4576 PSI, AR: 50.5 BPM. MU CWLS.

STG 4: PU CBP & PER GUN. RIH SET CBP @ 8204', PU, PERF: 8172-74', 8011-16', 7951-53' & 7840-43'. 4, 4, 3 & 4 SPF EA RESPECTIVELY, TOT OF 46 HOLES. POOH, LD WL TLS. MU HAL.OW: 0 PSI, BRK: 2900 PSI, ISIP: 2030 PSI, FG: 0.69. ER: 58 PPM @ 4550 PSI (ZONE WAS ACIDIZED W/50% OF NORMAL ACID VOLUME). POC: 61% (28/46). TOT SND: 23,300 LBS, TOT FL: 685 BBL. ISIP: 2580 PSI, FG: 0.76. MP: 5278 PSI, MR: 59.3 BPM, AP: 4611 PSI, AR: 58 BPM. MU CWLS.

STG 5: PU CBP & PERF GUN. RIH SET CBP @ 7771', PU, PERF: 7736-41', 4 SPF. POOH, LD WL TLS. MIRU DELSCO NORTH, PU HALLIBURTON PRES BOMP, RIH, SET BOMB @ "DFIT" @ 7726', HANG OFF SLICK LINE. MU HAL, BRK: 3499 PSI, PMP 1000 GALS @ 5 BPM/2850 PSI. ISOLATE WH. LOCK OUT FRAC VALVES. SDFN.

05/17/07

**FRAC**

Days On Completion: 7

Remarks: ALL STAGES WILL USE NALCO DVE-005 SCALE INHIBITOR (3 GPT IN PAD THRU HALF OF THE 1ST RAMP OF SAND & 10 GPT IN FLUSH); PERF GUNS WILL BE 3-3/8" EXPENDABLE (23 GM CHG, 40" PENE, 0.36" HOLE, 3 OR 4 SPF-120 OR 90 DEGREE PHASING RESPECTIVELY); 30/50 OTTAWA SAND; RECYCLED SLICK WATER FROM GOAT PASTURE POND; CBPs ARE BAKER 8K 4.5".POOH W/BOMB, RD DELSCO. MU CWLS.

STAGE 5: PU PERF GUN, RIH, PERF: 7636-39' & 7565-68', 4 SPF EA, TOT OF 32 HOLES. POOH, LD WL TLS. MU HAL. OW: 830 PSI, BRK: 3499 PSI, ISIP: 2245 PSI, FG: 0.73. ER: 55 BPM @ 4400 PSI, POC: 60% (26/44). TOT SND: 26,800 LBS, TOT FL: 794 BBL. ISIP: 2480 PSI, FG: 0.76. MP: 5355 PSI, MR: 55.4 BPM, AP: 4588 PSI, AR: 51.6 BPM. MU CWLS

STAGE 6: PU CBP & PERF GUN. RIH SET CBP @ 7342', PU, PERF: 7238-7242', 4 SPF, TO OF 16 HOLES. POOH, LD WL TLS. MIRU DELSCO, PU BOMB FOR DFIT TEST, RIH, HANG OFF BOMB @ 7228'. LOCK OUT FRAC VALVES. MU HAL. BRK: 3049 PSI, PMP 1000 GALS WATER @ 5 BPM, STARTING SURF PSI: 1820, ENDING PSI: 1850. WAIT 6 HRS FOR BOMB TO RECORD. POOH W/BOMB. MU CWLS. RIH W/PERF GUN, PERF: 7310-12', 7194-96' & 7119-24', 4, 3 & 3 SPF EA RESPECTIVELY, TOT OF 29 HOLES. POOH, LD WL TLS. MU HAL. OW: 400 PSI, BRK: 2015 PSI, ISIP: 1055 PSI, FG: 0.58. ER: 58 BPM @ 3775 PSI. POC: 56% (25/45). TOT SND: 52,100 LBS, TOT FL: 1457 BBL. ISIP: 2360 PSI, FG: 0.76. MP: 4736 PSI, MR: 60.7 BPM, AP: 3924 PSI, AR: 56.9 BPM. MU CWLS.

STAGE 7: PU CBP & PERF GUN. RIH SET CBP @ 6170', PU, PERF: 6135-40' & 6058-64', 4 SPF EA, TOT OF 44 HOLES. POOH, LD WL TLS, MU HAL. OW: 0 PSI, BRK: 1764 PSI, ISIP: 1425 PSI, FG: 0.67. ER: 56 BPM @ 3300 PSI. POC: 70% (31/44). TOT SND: 19,500 LBS, TOT FL: 590 BBL. ISIP: 1600, FG: 0.70. MP: 3506 PSI, MR: 56.4 BPM, AP: 3036 PSI, AR: 56 BPM. MU CWLS.

STAGE 8: PU CBP & PERF GUN. RIH, SET CBP @ 5756', PU, PERF: 5426-30'. POOH, LD WL TLS. RU DELSCO SLICK LINE TRUCK, PU HALLIBURTON BOMB. RIH W/BOMB TO 5416', HANG OFF BOMB FOR DFIT TEST. LOCK OUT FRAC VLVS. MU HAL, PMP 18 BBL WATER @ 5 BPM, COULD NOT CATCH PRES, INCR RATE TO 7.2 BPM, COULD NOT CATCH PRES, SHUT IN AFTER 39 BBL, WELL STILL ON SUCK. ISOLATE WELL FOR DFIT TEST OVERNITE. SDFN.

05/18/07

#### FRAC

Days On Completion: 8

Remarks: ALL STAGES WILL USE NALCO DVE-005 SCALE INHIBITOR (3 GPT IN PAD THRU HALF OF THE 1ST RAMP OF SAND & 10 GPT IN FLUSH); PERF GUNS WILL BE 3-3/8" EXPENDABLE (23 GM CHG, 40" PENE, 0.36" HOLE, 3 OR 4 SPF-120 OR 90 DEGREE PHASING RESPECTIVELY); 30/50 OTTAWA SAND; RECYCLED SLICK WATER FROM GOAT PASTURE POND; CBPs ARE BAKER 8K 4.5". POOH W/BOMB, FLUID LEVEL @ 2100'. RDMO DELSCO.

STAGE 8: PU PERF GUN, RIH, PERF: 5719-26', 4 SPF, TOT OF 28 HOLES. POOH, LD WL TLS. MU HAL. OW: 0 PSI, BRK: NA, ISIP: (EST.) 648 PSI, FG: (EST.) 0.55. ER: 55 BPM @ 2500 PSI. POC: 68% (30/44). TOT SND: 56,700 LBS, TOT FL: 1580 BBL, ISIP: 1505 PSI, FG: 0.70. MP: 3511 PSI, MR: 60.4 BPM, AP: 2896 PSI, AR: 57.5 BPM. MU CWLS, PU KILL PLUG, RIH, SET CBP @ 5400'. POOH, LD WL TLS. RDMO CWLS & HALLIBURTON. ND FRAC VLVS, NU BOP. PU 3-7/8" BIT & FE POBS, RIH W/BIT, SUB & TBG. TAG KILL PLUG @ 5400'. RU SWVL EQUIP, MU PMP TO SWVL, EST CIRC. PACKING BLEW OUT ON SWVL. SD TO MAKE REPAIRS TO SWVL.

05/21/07

#### D/O CBP & LAND TBG

Days On Completion: 9

Remarks: 7:00 AM. HSM. RU PWR SWVL. BRK CIRC. RIH C/O 5' OF SAND TAG PLG 1 @ 5,400' DRL PLG IN 10 MIN WELL WENT ON A VACUUM TOOK 150 BBLS TO GET RETURNS. PUMPING IN 4 BPM GETTING RETURNS OF 1 BPM. RIH C/O 20' OF SAND TAG PLG 2 @ 5,756' DRL PLG IN 10 MIN WELL WENT ON A VACUUM TOOK 160 BBLS TO GET RETURNS. PUMPING 4 BPM GETTING RETURNS OF 1 BPM. RIH C/O 30' OF SAND TAG PLG 3 @ 6,170' DRL PLG IN 10 MIN 100 PSI INCREASE RIH C/O 30' OF SAND TAG PLG 4 @ 7,342' DRL PLG IN 10 MIN 300 PSI INCREASE RIH C/O 30' OF SAND TAG PLG 5 @ 7,771' DRL PLG IN 10 MIN 500 PSI INCREASE RIH C/O 30' OF SAND TAG PLG 6 @ 8,204' DRL PLG IN 10 MIN 300 PSI INCREASE RIH C/O 25' OF SAND TAG PLG 7 @ 8,401' DRL PLG IN 10 MIN 600 PSI INCREASE RIH C/O 30' OF SAND TAG PLG 8 @ 8,702' DRL PLG IN 10 MIN 500 PSI INCREASE

RIH C/O TO 9,094' PBTD. CIRCULATE WELL CLEAN. RD PWR SWIVEL. POOH LD 32 JTS. LAND 2 3/8" J-55 4.7# TBG W/ 258 JTS EOT @ 8,102.84'. ND BOP'S NU WELL HEAD. DROP BALL TO SHEAR OFF BIT. PUMP OFF BIT @ 2,150 PSI. HOOK UP FLOW LINE. TURN WELL OVER TO FLOW BACK CREW.

**FLOWBACK REPORT:** CP 2650#, TP 2250#, CK 20/64", 30 BOWPH, LOAD REC'D 550 BBLS, LLTR 6860 BBLS

**05/22/07**

**FLOWBACK REPORT:** CP 2400#, TP 2200#, CK 18/64", 20 BOWPH, LOAD REC'D 1145 BBLS, LLTR 6265 BBLS

**WELL WENT ON SALES:** @ 12:00 PM, 2.4 MILL MCF, 2350/2800 TBG, 2800 CSG, 18/64 CK, 30 BBWH

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	OTHER _____
b. TYPE OF WORK:		NEW WELL <input checked="" type="checkbox"/>	HORIZ. LATS. <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	RE-ENTRY <input type="checkbox"/>
			DIFF. RESVR. <input type="checkbox"/>	OTHER _____	
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP					
3. ADDRESS OF OPERATOR: 1368 S 1200 E VERNAL UT 84078				PHONE NUMBER: (435) 781-7024	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1007'FSL, 107'FEL  AT TOP PRODUCING INTERVAL REPORTED BELOW:  AT TOTAL DEPTH:					
7. UNIT or CA AGREEMENT NAME UNIT #891008900A					
8. WELL NAME and NUMBER: NBU 922-31P-1					
9. API NUMBER: 4304738560					
10 FIELD AND POOL, OR WILDCAT NATURAL BUTTES					
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 31 9S 22E					
12. COUNTY UINTAH				13. STATE UTAH	

14. DATE SPURRED: 3/31/2007	15. DATE T.D. REACHED: 4/29/2007	16. DATE COMPLETED: 5/22/2007	ABANDONED <input type="checkbox"/>	READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 5066'GL
18. TOTAL DEPTH: MD 9,150 TVD		19. PLUG BACK T.D.: MD 9,094 TVD		20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE MD PLUG SET: TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  CBL-CCL-GR				23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 H-40	32.3# 36#		2,430		1350			
7 7/8"	4 1/2 I-80	11.6#		9,150		1591			

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,103							

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	5,426	6,140			5,426 6,140	0.36	88	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) MESAVERDE	7,119	9,034			7,119 9,034	0.36	269	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

**27. PERFORATION RECORD**

**28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5426'-6140	PMP 2170 BBLS SLICK H2O & 76,200# 30/50 SD
7119'-9034'	PMP 7066 BBLS SLICK H2O & 251,700# 30/50 SD

**29. ENCLOSED ATTACHMENTS:**

- |   |  |                                       |   |
|---|--|---------------------------------------|---|
| <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS                         | <input type="checkbox"/> GEOLOGIC REPORT | <input type="checkbox"/> DST REPORT   | <input type="checkbox"/> DIRECTIONAL SURVEY |
| <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION | <input type="checkbox"/> CORE ANALYSIS   | <input type="checkbox"/> OTHER: _____ |   |

**30. WELL STATUS:**

**PROD**

**RECEIVED**

**JUN 18 2007**

## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 5/22/2007		TEST DATE: 5/25/2007		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 2,531	WATER – BBL: 288	PROD. METHOD: FLOWING
CHOKE SIZE: 18/64	TBG. PRESS. 1,950	CSG. PRESS. 2,200	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 2,531	WATER – BBL: 288	INTERVAL STATUS: PROD

## INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED: 5/22/2007		TEST DATE: 5/25/2007		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 2,531	WATER – BBL: 288	PROD. METHOD: FLOWING
CHOKE SIZE: 18/64	TBG. PRESS. 1,950	CSG. PRESS. 2,200	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 2,531	WATER – BBL: 288	INTERVAL STATUS: PROD

## INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

## INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,520 7,007	7,007			

## 34. FORMATION (Log) MARKERS:

## 35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHERA UPCHEGO

TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE 6/12/2007

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> STUO-01530-AST			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 922-31P-1			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1007 FSL 0107 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 31 Township: 09.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047385600000			
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES			
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 3/26/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input checked="" type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: _____         </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE OPERATOR REQUESTS AUTHORIZATION TO TEMPORARILY ABANDON THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO TEMPORARILY ABANDON THE WELL TO DRILL THE NBU 922-31P PAD, WHICH CONSISTS OF THE NBU 922-32L1CS, NBU 922-32L4DS, NBU 922-32M4AS, NBU 922-32M4CS, AND NBU 922-32M3CS. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON PROCEDURE.					
<b>Approved by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> <u>March 31, 2010</u> <b>By:</b> <u><i>Dan K. Quist</i></u>					
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst			
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/24/2010				

NBU 922-31P-1  
 1007' FSL & 107' FEL  
 SWSESE SEC.31, T9S, R22E  
 Uintah County, UT

KBE: 5078'  
 GLE: 5064'  
 TD: 9150'  
 PBDT: 9106'

API NUMBER: 43-047-38560  
 LEASE NUMBER: UT-STL-UO-01530-A-ST  
 WINS#: 92599  
 WI: 100.0000%  
 NRI: 80.894445%

CASING: 17 1/2" hole  
 14" STL 50# csg @ 40' GL  
 Cemented to surface w/ 50 sx

12 1/4" hole  
 9 5/8" 32.3# H-40 & 36# J-55 @ 2384' (KB)  
 Cemented with 350 sx. Premium Class G. Top Job#1 100 sx. Premium Class G. Top Job#2 150 sx.  
 Premium Class G. Top Job#3 150 sx. Premium Class G. Top Job#4 150 sx. Premium Class G. Job#5  
 225 sx. Premium Class G. Job#6 225 sx. Premium Class G. TOC @ surface

7.875" hole  
 4 1/2" 11.6# I-80 @ 9150', Marker Joint @ 4645'  
 Cemented with 20 sx SCAV followed by 365 sx PL-II +10%GEL +3%KCL +5#KOL +0.5%SMS +0.25#CF  
 Class G lead and 1226 sx 50/50 Pozmix +10%NACL +0.2%R-3 +0.05#SF +0.002FP-6L tail. TOC @  
 Surface per CBL

TUBING: 2 3/8" 4.7# J-55 tubing landed at 5618'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbgr.	1.901	8100	7700	0.1624	0.02173	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.01554
9.625" 32.3# H-40	8.845	1400	2270	3.3055	0.4418	0.0787
14" 36.7# Stl						
<b>Annular Capacities</b>						
2.375" tbgr. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01006
4.5" csg X 9 5/8" 32.3# csg				2.478	0.3314	0.059
4.5" csg X 7.875 borehole				1.7052	0.2278	0.0406
9.625" csg X 12 1/4" borehole				2.3436	0.3132	0.0558
9.625" csg X 14" csg				3.4852	0.4659	0.083
14" csg X 20" borehole						

#### GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Wasatch	4520'
Mesaverde	7007'

**RECEIVED** March 24, 2010

**Tech. Pub. #92 Base of USDW's**

USDW Elevation 1200' MSL

USDW Depth 3878' KBE

**PERFORATIONS:**

Formation	Date	Top	Btm	SPF	Status
Wasatch	May-07	5426	5430	4	Open
Wasatch	May-07	5719	5726	4	Open
Wasatch	May-07	6058	6064	4	Open
Wasatch	May-07	6135	6140	4	Open
Mesaverde	May-07	7119	7124	3	Open
Mesaverde	May-07	7194	7196	3	Open
Mesaverde	May-07	7238	7242	4	Open
Mesaverde	May-07	7310	7312	4	Open
Mesaverde	May-07	7565	7568	4	Open
Mesaverde	May-07	7636	7639	4	Open
Mesaverde	May-07	7736	7741	4	Open
Mesaverde	May-07	7840	7843	4	Open
Mesaverde	May-07	7951	7953	3	Open
Mesaverde	May-07	8011	8016	4	Open
Mesaverde	May-07	8172	8174	4	Open
Mesaverde	May-07	8328	8332	4	Open
Mesaverde	May-07	8365	8371	4	Open
Mesaverde	May-07	8460	8464	4	Open
Mesaverde	May-07	8516	8518	3	Open
Mesaverde	May-07	8590	8594	3	Open
Mesaverde	May-07	8669	8672	4	Open
Mesaverde	May-07	8807	8811	4	Open
Mesaverde	May-07	8934	8936	4	Open
Mesaverde	May-07	8966	8968	3	Open
Mesaverde	May-07	9030	9034	4	Open

**WELL HISTORY:**

- Spud Well 3/31/07, TD'd 4/29/07
- May '07 – Completed MV/Was zones with 8 slickwater frac stages using 327,900# 30/50 sand & 9236 bbls fluid. C/O to PBTD and turn to sales.
- 5/25/07 – Well IP'd, 2531 MCFD, 0 BC, 288 BW, CP 2200#, FTP 1950#, CK 18/64", 24 HRS, LP 320#

**Recommended future action for disposition of well bore:**

Temporarily abandon the wellbore during the drilling and completion operations of the NBU 922-31P pad wells. Return to production as soon as possible once completions are done.

## **NBU 922-31P-1 TEMPORARY ABANDONMENT PROCEDURE**

### **GENERAL**

- H<sub>2</sub>S MAY BE PRESENT. CHECK FOR H<sub>2</sub>S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

### **PROCEDURE**

**Note: An estimated 23 sx Class "G" cement needed for procedure**

**Note: Gyro ran to 8050'**

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL.
3. **PLUG #1, ISOLATE MV/WAS PERFORATIONS (5426' - 9034'):** RIH W/ 4 1/2" CBP. SET @ ~5376'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF 4.36 CUFT. (~4 CUFT) ON TOP OF PLUG. PUH ABOVE TOC (~5326'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #2, PROTECT WASATCH TOP (4520'):** PUH TO ~4620'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 17.44 CUFT (~15 SX) AND BALANCE PLUG W/ TOC @ ~4420' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.
6. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 3/23/10

**RECEIVED** March 24, 2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> STUO-01530-AST
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 922-31P-1
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1007 FSL 0107 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 31 Township: 09.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047385600000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 5/18/2010	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>		
THE OPERATOR HAS COMPLETED THE TEMPORARILY ABANDON OPERATIONS ON THE SUBJECT WELL ON 5/18/2010. THE OPERATOR HAS TA'D THE WELL IN ORDER TO DRILL THE NBU 922-31P PAD WHICH CONSISTS OF THE NBU 922-32L1CS, NBU 922-32L4DS, NBU 922-32M4AS, NBU 922-32M4CS, AND NBU 922-32M3CS. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON CHRONOLOGICAL WELL HISTORY.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> June 01, 2010		
<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/25/2010	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 922-31P-1				Spud Date: 4/21/2007					
Project: UTAH-UINTAH			Site: NBU 922-31P-1				Rig Name No: MILES 2/2		
Event: ABANDONMENT			Start Date: 5/11/2010				End Date: 5/18/2010		
Active Datum: RKB @5,078.99ft (above Mean Sea Leve			UWI: NBU 922-31P-1						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
5/14/2010	12:00 - 15:00	3.00	ABAND	30		P		MIRU, SDFWE	
5/17/2010	7:00 - 7:30	0.50	ABAND	48		P		TRIPPING TBG	
	7:30 - 7:30	0.00	ABAND	45		P		BLOW DWN WELL, KILL WELL WITH 20 BBLS TMAC, NDWH, NU BOP'S, TEST TO 3000#, RU PRS, SCAN TBG OOH. RD PRS, RU CUTTERS, RIH GAUGE RING 5400', POOH, PU CBP, RIH TO 5379', SET PLUG, POOH, RD CUTTERS, 23 YB, 20 BLUE BAND, 225 RED BAND TBG 268 JTS TBG 8051.02'. RIH 60 JTS 1808' EOT SWIFN	
5/18/2010	7:00 - 7:30	0.50	ABAND	48		P		CEMENTING PLUGS	
	7:30 - 7:30	0.00	ABAND	51		P		RIH WITH 179 JTS TO 5379' , ROLL HOLE WITH TMAC, PRESSURE TEST TO 600# 5 MIN, RU PRO PETRO PUMP 2 BBLS CEMENT,11.5 CF, CLASS G, YIELD 1.145, DENISTY 15.8#, 4.9 GW/SX, 1 BBL FRESH,10 SX, 2 BBLS CEMENT, DISPLACE WITH 1 BBL FRESH, 18.1 BBLS TMAC, POOH LD 25 JTS TO 4638', PUMP BBL FRESH, 20 SX, 23 CF, 4 BBLS CLASS G CEMENT, DISPLACE WITH 1 BBL FRESH, 15.9 BBLS TMAC, RD PRO PETRO, POOH 154 JTS TBG, ND BOP'S, CAP WELL, RDMO.	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> STUO-01530-AST
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 922-31P-1
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1007 FSL 0107 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 31 Township: 09.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047385600000
<b>PHONE NUMBER:</b> 720 929-6515 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/7/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 This previously temporarily abandoned well has returned to production. This well returned to production on 04/07/2011. Please see attached chronological well history.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/15/2011	

## US ROCKIES REGION

### Operation Summary Report

Well: NBU 922-31P-1				Spud Date: 4/21/2007					
Project: UTAH-UINTAH			Site: NBU 922-31P PAD				Rig Name No: GWS 1/1		
Event: WELL WORK EXPENSE			Start Date: 3/3/2011				End Date: 4/6/2011		
Active Datum: RKB @5,078.99ft (above Mean Sea Leve				UWI: NBU 922-31P-1					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
4/5/2011	7:00 - 7:15	0.25	REE	48		P		HSM, SLIPS, TRIPS & FALLS, DRLG CBP UNKNOWN PRESS UNDER CBP.	
	7:15 - 14:30	7.25	REE	31	I	P		LOCATION STILL MUDDY SPREAD ROAD BASE UNDER RIG, MIRU, INSTALL TWO CAGES OVER EXITING WELLS, ND WH, NU BOP, RU FLOOR & TBG EQUIP, SPOT TBG TRAILER, RUN 2 FLOWLINES TO PIT NIPPLE IN 2" 5K FLANGE CROSS THREADED WILL C/O FLANGE & NIPPLE IN AM, LAY 2 HARD LINES FROM PUMP TIED 1 INTO CSG VALVE, TALLY & PU TBG, HAD TO BEAT ON ALL TBG & KNOCK RUST OUT OF IT WHILE PICKING UP USED YELLOW BAND TBG, TAG CMT @ 4,429', INSTAL STRIPPING RUBBER, RU POWER SWIVEL FILL TBG & BREAK CIRC, PRESS TEST 2,500 PSI LEAK ON BTM FLANGE BOLTS OF TBG HEAD, TIGHTEN BOLTS PRESS TEST TO 2,500 PSI HELD OK, START DRLG CMT.	
	14:30 - 17:00	2.50	REE	44	A	P		DRLG CMT PLUG FROM 4,429' TO 4,439', PACKING ON POWER SWIVEL STARTED LEAKING, TIGHTEN & GREASED PACKING STILL LEAKING A LITTLE, WEATHERFORD GOING TO C/O IN AM, DRLG CMT FROM 4,439' TO 4,550', CIRC CMT UP HOLE, SWI, SDFN.	
4/6/2011	7:00 - 7:15	0.25	REE	48		P		HSM, SLIPS, TRIPS & FALLS, WORKING W/ POWER SWIVEL.	
	7:15 - 10:30	3.25	REE	44	A	P		ALL SURFACE CSG VALVE OPEN W/ LOCKS ON THEM & POP OFFS ON 4 OUT 5, SICP 0 PSI, OPEN WELL, START DRLG CMT FROM 4,550' TO 4,567', REPACK POWER SWIVEL, DRLG CMT FROM 4,567' TO 4,638', SET POWER SWIVEL BACK RIH TAG @ 5,300', PU POWER SWIVEL, DRLG CMT & CBP FROM 5,300' TO 5,379' WELL WENT ON VACUMN, CALLED FOR AIR FOAM & N2 UNIT TO C/O TO BTM, SET POWER SWIVEL BACK.	
	10:30 - 13:30	3.00	REE	31	I	P		RIH TAG @ 8,986', RU POWER SWIVEL INSTAL PUMP THRU PLUG, MIRU AIR FOAM & N2 UNIT	

# US ROCKIES REGION

## Operation Summary Report

Well: NBU 922-31P-1

Spud Date: 4/21/2007

Project: UTAH-UINTAH

Site: NBU 922-31P PAD

Rig Name No: GWS 1/1

Event: WELL WORK EXPENSE

Start Date: 3/3/2011

End Date: 4/6/2011

Active Datum: RKB @5,078.99ft (above Mean Sea Leve

UWI: NBU 922-31P-1

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:30 - 20:30	7.00	REE	44	D	P		<p>MIRU AIR FOAM &amp; N2 UNIT, BREAK CIRC W/ AIR FOAM &amp; N2 UNIT, C/O FROM 8,986' TO 9,085', 51' PAST BTM PERF W/ 281 JTS J-55 TBG, CIRC WELL FOR 1 HR, KILL TBG W/ 20 BBLS TO PULL PUMP THRU PLUG, LD 30 JTS, PU TBG HANGER &amp; LAND W/ 251 JTS J-55 TBG @ 8,095.04'.</p> <p>RD POWER SWIVEL, RD FLOOR &amp; TBG EQUIP, ND BOPS, NU WH, DROP BALL TO SHEAR OFF BIT W/ 2,600 PSI, SWI.</p> <p>WILL RD &amp; ROAD RIG TO BONANZA 1023-6i PAD IN AM, SDFN.</p> <p>KB= 14' B&amp;C YARD YELLOW BAND 7 1/16" WEATHERFORD HANGER= .83' TBG DELIVERED 306 JTS 251 JTS 2 3/8" J-55 = 8,078.01' TBG USED 251 JTS POBS= 2.20' TBG RETURNED 55 JTS, (1 JT PLUGGED) EOT @ 8,095.04' RETURNED 19 JTS BROUGHT FROM CIGE 98D SN @ 8,092.84'</p> <p>CALLED CDC TALKED TO BECKY.</p>